

# EAST Search History

(70 PP) *[Signature]*

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	(US-20040166379-\$).did.	US-PGPUB	OR	ON	2008/01/02 06:23
L2	2	jp-2003037268\$-\$ did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 06:24
L3	29	(("6,416,888") or ("6,057,561") or ("5,625,202") or ("6,320,207") or ("5,804,834") or ("6,541,797") or ("6,806,503") or ("20020030196") or ("20040235212") or ("20040104392") or ("20040051109") or ("20030209723") or ("20020126719")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/02 06:26
L4	15	(("2001210867") or ("2002164570") or ("2000353820") or ("2002111059") or ("2002076356") or ("2002222991") or ("2002170993")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/02 06:32
L5	2	jp-11070610\$-\$ did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 06:34
L6	15	zto near3 electrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 06:38
L7	0	zto near3 electrode and magnesium	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 06:36

## EAST Search History

L8	1	zto near3 electrode same Mg	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 06:40
L9	9061	zno and (glass gan) adj substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 06:42
L10	978	zno and (glass gan) adj substrate and light-emitting and transparent adj electrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 06:42
L11	127	zno and (glass gan) adj substrate and light-emitting and transparent adj electrode near4 zno	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 06:42
L12	4	zno and (gan) adj substrate and light-emitting and transparent adj electrode near4 zno	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 06:43
L13	26	zno and (gan) near3 substrate and light-emitting and transparent adj electrode near4 zno	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 06:48
L14	349	"II-VI" and zno and substrate near10 (sapphire gan)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 06:49

## EAST Search History

L15	234	"II-VI" and zno and substrate near10 (gan)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 06:49
L16	189	"II-VI" and zno and substrate near10 (gan) and substrate near10 sapphire	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 07:01
L17	2	jp-2001059164\$-\$ did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 07:03
L18	0	wo-0270793\$-\$ did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 07:03
L19	1	wo-200270793\$-\$ did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 07:10
L20	14	(yoshida near2 hiroshi).in. and ferromagnetic.ti.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 07:52
L21	7	(stack stacking stacked) near10 ("II-VI" near10 "III-V")	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 07:53

## EAST Search History

L22	42	(stack stacking stacked) near10 ("II-VI" near10 "III-V")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 08:23
L23	739	(stack stacking stacked) near4 (light adj emitting light\$1emitting) adj (diode element device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 08:24
L24	7	(stack stacking stacked) near4 (light adj emitting light\$1emitting) adj (diode element device) and active same GaN and active same ZnO	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 08:27
L25	18	(stack stacking stacked) near4 (light adj emitting light\$1emitting) adj (diode element device) and (active same GaN) and (active same "II-VI")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 08:58
L26	909	("III-V").ti,ab. and ("II-VI").ti,ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 08:59
L27	16	("III-V").ti,ab. and ("II-VI").ti,ab. and zno and gan	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 09:30
L28	12	zto near4 electrode and (light\$1emitting laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 09:33

## EAST Search History

L29	0	zto near2 electrode and (light\$1emitting laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 09:30
L30	0	zto near4 electrode and (magnesium Mg) near2 (doping dopant coat coating coated) and (light\$1emitting laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 09:34
L31	0	zto near4 electrode and MgZnO and (light\$1emitting laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 09:34
L32	0	zto near4 electrode and ("Mg:ZnO" "ZnO:Mg") and (light\$1emitting laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 09:35
L33	0	(zinc adj tin adj oxide zto) near4 electrode and ("Mg:ZnO" "ZnO:Mg") and (light\$1emitting laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 09:36
L34	0	(zinc adj tin adj oxide zto) near20 ("Mg:ZnO" "ZnO:Mg") and (light\$1emitting laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 09:36
L35	0	(zinc adj tin adj oxide zto) near20 ("Mg:ZnO" "ZnO:Mg" mgzno) and (light\$1emitting laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 09:36

## EAST Search History

L36	0	(zinc adj tin adj oxide zto) near20 ("Mg:ZnO" "ZnO:Mg" mgzno znmgo) and (light\$1emitting laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 09:36
L37	32	(zinc adj tin adj oxide zto) near20 ("Mg:ZnO" "ZnO:Mg" mgzno znmgo magnesium) and (light\$1emitting laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 09:43
L38	7	(zinc adj tin adj oxide zto) near20 ("Mg:ZnO" "ZnO:Mg" mgzno znmgo magnesium) and (light\$1emitting laser) and GaN near10 (active light\$1emitting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 10:03
L39	60	(zinc adj tin adj oxide zto) near20 ("Mg:ZnO" "ZnO:Mg" mgzno znmgo magnesium) (Mg-doped near2 (ZnO zinc adj oxide zinc adj tin adj oxide ZTO)) and (light\$1emitting laser) and GaN near10 (active light\$1emitting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 10:04
L40	1	"5760423".PN.	USPAT; USOCR	OR	ON	2008/01/02 10:07
L41	1	"5877558".PN.	USPAT; USOCR	OR	ON	2008/01/02 10:10
L42	9	Mg-doped adj (ZTO ZnO)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 10:43
L43	26861	((257/79) or (257/8\$1) or (257/9\$1) or (257/100) or (257/101) or (257/102) or (257/103) or (372/29.01) or (372/43.01) or (372/46.01) or (372/46.013) or (372/46.015) or (349/4\$1) or (349/5\$1)).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/02 10:45

## EAST Search History

L44	0	43 and (Mg-coat\$3 Mg-doped) near2 (ZTO ZnO) near10 electrode and (GaN p-GaN) near4 clad\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 10:47
L45	1	43 and (((Mg-coat\$3 Mg-doped) near2 (ZTO ZnO)) ("Mg:ZnO" "ZnO:Mg" MgZnO ZnMgO)) near10 electrode and (GaN p-GaN) near4 clad\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 10:51
L46	0	((ken near1 nakahara).in. rohm.as.) and (((Mg-coat\$3 Mg-doped) near2 (ZTO ZnO)) ("Mg:ZnO" "ZnO:Mg" MgZnO ZnMgO)) near10 electrode and (GaN p-GaN) near4 clad\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 10:51
L47	0	((ken near1 nakahara).in. rohm.as.) and ((magnesium Mg) near4 (ZnO zinc adj oxide zinc adj tin adj oxide ZTO ZnO)((Mg-coat\$3 Mg-doped) near2 (ZTO ZnO)) ("Mg:ZnO" "ZnO:Mg" MgZnO ZnMgO)) near10 electrode and (GaN p-GaN) near4 clad\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 10:53
L48	1	43 and ((magnesium Mg) near4 (ZnO zinc adj oxide zinc adj tin adj oxide ZTO ZnO)((Mg-coat\$3 Mg-doped) near2 (ZTO ZnO)) ("Mg:ZnO" "ZnO:Mg" MgZnO ZnMgO)) near10 electrode and (GaN p-GaN) near4 clad\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 11:00
L49	5	"713205".ap.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 11:02
L50	6	"031931".ap.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 11:02

## EAST Search History

L51	2	("6649434").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/02 11:04
L52	2	("6638846").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/02 11:05
L53	2	("6531408").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/02 11:08
L54	2	("6659548").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/02 11:08
L55	2	("5659548").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/02 11:08
L56	2	("6569548").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/02 11:11
L57	2	("7132691").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/02 11:13

## EAST Search History

L58	3	("6711198").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/02 11:13
S1	2	jp-11070610\$-\$ did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/25 18:03
S2	6	"748734".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 10:55
S3	1102	(257/99).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/03/21 10:31
S4	2	S3 and (zinc adj oxide ZnO) near3 (Mg "ZnO:Mg" (magnesium near4 (ZnO zinc adj oxide)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 10:33
S5	36	(257/79.ccls. 257/8\$1.ccls. 257/9\$1. ccls. 257/10\$1.ccls. 349/4\$1.ccls. 349/5\$1.ccls. "372"/\$4.ccls. 372/50. ccls.) and (zinc adj oxide ZnO) near3 (Mg "ZnO:Mg" (magnesium near4 (ZnO zinc adj oxide)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 10:44
S6	1	wo-200245179\$-\$ did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 10:44
S7	0	(257/79.ccls. 257/8\$1.ccls. 257/9\$1. ccls. 257/10\$1.ccls. 349/4\$1.ccls. 349/5\$1.ccls. "372"/\$4.ccls. 372/50. ccls.) and (zinc adj oxide ZnO) near3 (Mg "ZnO:Mg" (magnesium near4 (ZnO zinc adj oxide))) near3 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 10:44
S8	3	(257/79.ccls. 257/8\$1.ccls. 257/9\$1. ccls. 257/10\$1.ccls. 349/4\$1.ccls. 349/5\$1.ccls. "372"/\$4.ccls. 372/50. ccls.) and (zinc adj oxide ZnO) near3 (Mg "ZnO:Mg" (magnesium near4 (ZnO zinc adj oxide))) same electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 10:47

## EAST Search History

S9	135	(zinc adj oxide ZnO) near3 (Mg "ZnO:Mg" (magnesium near4 (ZnO zinc adj oxide))) same electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 10:48
S10	10	(zinc adj oxide ZnO) near3 (Mg "ZnO:Mg" (magnesium near4 (ZnO zinc adj oxide))) near5 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 10:48
S11	48	electrode near6 (ZnO zinc adj oxide) near20 (magnesium Mg)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 11:14
S12	0	transparent adj electrode near20 MgO near20 "MgO:Mg"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 11:15
S13	0	transparent adj electrode near20 (ZnO near20 "ZnO:Mg")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 11:15
S14	0	transparent adj electrode near20 ZnO near20 "ZnO:Mg"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 11:15
S15	0	electrode near20 ZnO near20 "ZnO:Mg"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 11:16
S16	1	electrode near20 ZnO near20 Mg near4 doping	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 11:16
S17	2	electrode near20 ZnO near20 (Mg near4 (doping doped) Mg-doped)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 11:17
S18	4	transparent adj electrode near10 (Mg near4 (doping doped) Mg-doped)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/21 11:18

## EAST Search History

S19	15	(US-20040227141-\$ or US-20040164314-\$ or US-20040166379-\$ or US-20030048072-\$).did. or (US-5670792-\$).did. or (JP-11070610-\$ or JP-2004259549-\$).did. or (JP-11070610-\$ or WO-200245179-\$ or US-20040166379-\$ or JP-59162133-\$ or JP-50092490-\$ or US-20040164314-\$ or EP-863555-\$ or JP-80013404-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2005/03/21 11:30
S20	2	("20040189186").PN.	US-PGPUB; DERWENT	OR	OFF	2005/03/21 11:43
S21	0	("mg-dopednear6(znozincadjoxide)andelectrode").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/21 11:44
S22	7	mg-doped near6 (zno zinc adj oxide) and electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 11:44
S23	7	mg-doped near6 (zno zinc adj oxide) and electrode and transparent	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 11:55
S24	1	mg-doped near6 (zno zinc adj oxide) near4 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 11:56
S25	7	mg-doped near2 (zno zinc adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 11:57
S26	36	electrode near4 ("zno:mg" zno zinc adj oxide) same (mg magenism mg-doped)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 11:58
S27	15	electrode near4 ("zno:mg" zno zinc adj oxide) same (mg magenism mg-doped) and transparent	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 12:05

## EAST Search History

S28	0	electrode near4 "zno:mg" same (doping dopant)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 12:05
S29	1463	electrode near4 zno zinc adj oxide same (doping dopant) same (magnesium mg)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 12:06
S30	3	electrode near4 (zno zinc adj oxide "zno:mg") same (doping dopant) same (mg magnesium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 12:12
S31	2	moisture near4 electrode near4 (zno zinc adj oxide) same (magnesium mg)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 12:13
S32	19	(US-20040227141-\$ or US-20040164314-\$ or US-20040166379-\$ or US-20030048072-\$ or US-20040189186-\$ or US-20020163005-\$).did. or (US-5670792-\$ or US-RE37446-\$ or US-6639354-\$).did. or (JP-11070610-\$ or JP-2004259549-\$).did. or (JP-11070610-\$ or WO-200245179-\$ or US-20040166379-\$ or JP-59162133-\$ or JP-50092490-\$ or US-20040164314-\$ or EP-863555-\$ or JP-80013404-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2005/03/21 12:22
S33	0	ITO near4 (Mg magnesium) near4 moisture	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2005/03/21 12:22
S34	1	ITO near8 (Mg magnesium) near8 moisture	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2005/03/21 12:23
S35	98	doped near2 zno near20 electrode	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2005/03/21 12:23

## EAST Search History

S36	22	doped near2 zno near20 electrode same transparent and moisture	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 12:26
S37	20	doped near2 zno near20 electrode same transparent and moisture and (magnesium Mg)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 12:27
S38	1	(magnesium Mg) near20 doped near2 zno near20 electrode same transparent and moisture	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 12:27
S39	1	(magnesium Mg) near20 (doping doped implanting implantation diffusion diffusing) near20 zno near20 electrode same transparent and moisture	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 12:28
S40	8	(magnesium Mg) near20 (doping doped implanting implantation diffusion diffusing) near20 (zinc adj oxide ito zno) near20 electrode same transparent and moisture	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 12:31
S41	54	("In-doped" ZnO) near6 electrode same (Mg magnesium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 12:32
S42	25	("In-doped" ZnO) near6 electrode same (Mg magnesium) and transparent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 12:32
S43	7	("In-doped" ZnO) near6 electrode near10 (Mg magnesium) and transparent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 12:58

## EAST Search History

S44	0	((implantation implanting implant) near6 ZnO near6 (mg magnesium))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 12:59
S45	0	((implantation implanting implant) near6 (zinc adj oxide ZnO) near6 (mg magnesium))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 12:59
S46	0	((implantation implanting implant) near6 (zinc adj oxide ZnO) near20 (mg magnesium))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 12:59
S47	0	((implantation implanting implant) near20 (zinc adj oxide ZnO) near20 (mg magnesium))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 13:00
S48	462	(doping doped dopant implant implantation implanting) near6 (zno zinc adj oxide) and (zinc adj oxide zno) near10 electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 13:02
S49	17	(doping doped dopant implant implantation implanting) near6 (zno zinc adj oxide) near6 (mg magnesium) and (zinc adj oxide zno) near10 electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 13:09
S50	1	wo-200108229\$-.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 13:32
S51	72	ZnO near2 transparent adj electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 13:33

## EAST Search History

S52	21	ZnO near2 transparent adj electrode and light adj emitting.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 13:33
S53	6	"748734".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/21 11:59
S54	0	neutron near4 imaging near4 substance adj abuse	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/21 14:33
S55	6	"748734".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/02 10:20
S56	1	(US-20040166379-\$).did.	US-PGPUB	OR	OFF	2005/11/02 10:21
S57	2	"20020105279"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/02 10:32
S58	0	wo-0108229\$-\$ did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/02 10:32
S59	0	wo-01008229\$-\$ did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/02 10:32
S60	3	"6674098"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/02 11:29

## EAST Search History

S61	13	(("6,416,888") or ("6,057,561") or ("5,625,202") or ("6,320,207") or ("5,804,834") or ("6,541,797") or ("6,806,503") or ("20020030196") or ("20040235212") or ("20040104392") or ("20040051109") or ("20030209723") or ("20020126719")).PN.	US-PGPUB; USPAT	OR	OFF	2005/11/02 11:34
S62	10	S61 and (zno zinc adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 11:37
S63	6	S61 and (zno zinc adj oxide) near6 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 11:37
S64	6	S61 and (zno zinc adj oxide) near6 electrode and gan	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 11:37
S65	0	S61 and (zno zinc adj oxide) near6 electrode and gan and ("mg:zno" "zno:mg" ((mg magnesium) near4 dop\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 11:39
S66	4	S61 and (zno zinc adj oxide) near6 electrode and gan and (mg magnesium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 12:20
S67	2	("20020105279").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/02 11:53
S68	2	("20010030196").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/02 11:53
S69	1	"6674098".pn. and electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 12:29

## EAST Search History

S70	24	zno near4 electrode and magnesium near4 dop\$3 near4 (electrode zno zinc adj oxide) and gan and semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 12:32
S71	0	zno near1 electrode and magnesium near4 dop\$3 near4 (electrode zno zinc adj oxide) and gan and semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 12:32
S72	29	(mg magnesium) near4 dop\$3 near4 electrode and gan and semiconductor and (zinc adj oxide zno) near6 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 12:33
S73	28	(mg magnesium) near3 dop\$3 near3 electrode and gan and semiconductor and (zinc adj oxide zno) near6 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 12:34
S74	24	(mg magnesium) near3 dop\$3 near3 electrode and gan and semiconductor and (zinc adj oxide zno) near3 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 12:35
S75	1	(mg magnesium) near3 dop\$3 near3 electrode near3 (zinc oxide zno) and gan and semiconductor and (zinc adj oxide zno) near3 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 12:35
S76	2	(mg magnesium) near5 dop\$3 near5 electrode near5 (zinc oxide zno) and gan and semiconductor and (zinc adj oxide zno) near5 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 12:36
S77	2	(mg magnesium) near8 dop\$3 near8 electrode near8 (zinc oxide zno) and gan and semiconductor and (zinc adj oxide zno) near8 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 12:38
S78	0	(mg magnesium) near8 implant\$5 near8 electrode near8 (zinc oxide zno) and gan and semiconductor and (zinc adj oxide zno) near8 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 12:39

## EAST Search History

S79	0	((mg magnesium) near8 implant\$5 near8 electrode near8 (zinc oxide zno) and gan and semiconductor and (zinc adj oxide zno) near8 electrode) ("mg:zno" "zno:mg") near4 electrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 12:40
S80	0	mg adj doped adj electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 12:41
S81	13	mg adj doped adj4 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 12:45
S82	45	mg near4 (doping dopant implant\$5) near4 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 12:45
S83	0	mg near4 (doping dopant implant\$5) near4 electrode near4 (zinc adj oxide zno)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 13:58
S84	1	"zno:mg"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 14:00
S85	52	"zno:"\$2 near4 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 14:23
S86	12	"zno:"\$2 near4 electrode and (mg magnesium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 14:19
S87	13	"zno:al" same (mg magnesium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 14:20

## EAST Search History

S88	1	"zno:mg"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 14:25
S89	0	znmgo near4 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 14:25
S90	0	("zn.sub." near1 "mg.sub."\$4 near1 "o") near4 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 15:15
S91	0	"zno:al" near4 electrode near4( workfunction work adj function)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 15:16
S92	0	"zno:al" near4 electrode near4 (workfunction work adj function)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 15:16
S93	0	"zno:al" near4 electrode same (workfunction work adj function)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 15:16
S94	32	"zno:al" near4 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 15:16
S95	15	"zno:al" near4 electrode and semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 15:17
S96	15	("zno:al" MZO) near4 electrode and semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 15:21
S97	0	("zno:mg" MZO) near4 electrode and semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 15:21

## EAST Search History

S98	0	("zno:mg" MgZO) near4 electrode and semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 15:22
S99	3	("zno:mg" MgZnO ZnOMg ZnMgO) near4 electrode and semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 15:49
S10 0	17	(("2001010867") or ("2002164570") or ("2000353820") or ("2002111059") or ("2002076356") or ("2002222991") or ("2002170993")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/02 15:32
S10 1	14	jp-2001010867\$-\$ did. jp-2002164570\$-\$ did. jp-2000353820\$-\$ did. jp-2002111059\$-\$ did. jp-2002076356\$-\$ did. jp-2002222991\$-\$ did. jp-2002170993\$-\$ did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/02 15:34
S10 2	3	("zno:mg" MgZnO ZnOMg ZnMgO Mg <sub>x</sub> Zn <sub>1-x</sub> O) near4 electrode and semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 15:50
S10 3	3	("zno:mg" MgZnO ZnOMg ZnMgO Mg <sub>x</sub> Zn <sub>1-x</sub> O) near4 electrode and semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 15:50
S10 4	3	("zno:mg" MgZnO ZnOMg ZnMgO Mg <sub>x</sub> Zn <sub>1-x</sub> O Mg <sub>1-x</sub> Zn <sub>x</sub> O) near4 electrode and semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 15:50
S10 5	3	("zno:mg" MgZnO ZnOMg ZnMgO "Mg <sub>x</sub> Zn <sub>1-x</sub> O" "Mg <sub>1-x</sub> Zn <sub>x</sub> O") near4 electrode and semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 15:58
S10 6	2	("20020126719").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/02 15:55

## EAST Search History

S10 7	3	("zno:mg" MgZnO ZnOMg ZnMgO "MgxZn1-xO" "Mg1-xZnxO") near4 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 15:58
S10 8	10833	(zno zinc adj oxide ito indium adj tin adj oxide ito) near4 (mg magnesium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 16:24
S10 9	10833	(zno zinc adj oxide (indium adj tin adj oxide) ito) near4 (mg magnesium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 16:24
S11 0	10833	(zno (zinc adj oxide) (indium adj tin adj oxide) ito) near4 (mg magnesium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 16:25
S11 1	7117	(zno (zinc adj oxide) (indium adj tin adj oxide) ito) near2 (mg magnesium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 16:25
S11 2	1880	(zno (zinc adj oxide) (indium adj tin adj oxide) ito) near2 (mg magnesium).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 16:25
S11 3	220	(zno (zinc adj oxide) (indium adj tin adj oxide) ito) near2 (mg magnesium).ti,ab,clm. and electrode.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 16:28
S11 4	167	(zno (zinc adj oxide) (indium adj tin adj oxide) ito) near2 (mg magnesium).ti,ab,clm. and electrode.ti,ab,clm. and @ad<"20030226"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 16:30
S11 5	165	((zno (zinc adj oxide) (indium adj tin adj oxide) ito) near2 (mg magnesium).ti,ab,clm. and electrode.ti,ab,clm. and @ad<"20030226") not rohm.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 16:37
S11 6	0	("mg:ito" "ito:mg" "zno:mg" "mg:zno") and S115	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 16:41

## EAST Search History

S11 7	12	(zinc-magnesium adj oxide and zinc adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 16:42
S11 8	1	(zinc-magnesium adj oxide and zinc adj oxide) and S115	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 16:43
S11 9	1	(zinc-magnesium adj oxide and zinc adj oxide) and S115 and magnesium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 16:44
S12 0	1	(zinc-magnesium adj oxide and zinc adj oxide) and S115 and (mg magnesium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 16:45
S12 1	2	(zinc-magnesium adj oxide and zinc adj oxide) and electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 16:46
S12 2	0	"mg:ito"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/08 16:47
S12 3	0	"ito:mg"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/08 16:47
S12 4	3	magnesium adj indium adj tin adj oxide	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/08 16:48
S12 5	0	erosion near4 zinc adj oxide and electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/08 16:55
S12 6	325	erosion and zinc adj oxide and electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/08 16:56

## EAST Search History

S12 7	485	erosion and (zno zinc adj oxide) and electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/08 16:56
S12 8	13	erosion near8 (zno zinc adj oxide) and electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/08 16:56
S12 9	9	erosion near8 (zno zinc adj oxide) same electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/08 16:57
S13 0	0	erosion near8 (zno zinc adj oxide) same electrode same magnesium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/08 16:57
S13 1	0	erosion near8 (ito indium adj tin adj oxide zno zinc adj oxide) same electrode same magnesium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/08 16:58
S13 2	0	erosion near8 (ito (indium adj tin adj oxide) zno (zinc adj oxide)) same electrode same magnesium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 16:58
S13 3	1	(deterioration erosion) near8 (ito (indium adj tin adj oxide) zno (zinc adj oxide)) same electrode same magnesium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 17:00
S13 4	2	(deterioration erosion corrosion) near8 (ito (indium adj tin adj oxide) zno (zinc adj oxide)) same electrode same magnesium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 17:04
S13 5	17	transparent near2 electrode and (mgzno znmgo) and zno	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 17:11
S13 6	6	transparent near2 electrode near15 (mgzno znmgo) and zno	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 17:15

## EAST Search History

S13 7	2	transparent near2 electrode near15 "mg-doped"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 17:16
S13 8	140	transparent near2 electrode near15 (magnesium-doped "mg-doped" magnesium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 17:17
S13 9	52	transparent near1 electrode near8 (magnesium-doped "mg-doped" magnesium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 17:17
S14 0	11	transparent near1 electrode near8 (magnesium-doped "mg-doped" magnesium) near8 (ito zno (zinc adj oxide) indium-tin-oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 17:29
S14 1	4	transparent near1 electrode near8 (magnesium-doped "mg-doped" magnesium) near8 (ito zno (zinc adj oxide) indium-tin-oxide) and (anneal annealing)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 17:30
S14 2	0	electrode near10 (zinc adj oxide zno) same (magnesium mg) same (anneal annealing)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 17:31
S14 3	268	electrode near10 (zinc adj oxide zno) and (magnesium mg) and (anneal annealing)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 17:32
S14 4	27	electrode near10 (zinc adj oxide zno) and (magnesium mg) and (anneal annealing) and (contact adj resistance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 17:32
S14 5	10	electrode near4 (zinc adj oxide zno) and (magnesium mg) and (anneal annealing) and (contact adj resistance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 17:37
S14 6	10	electrode near4 (zinc adj oxide zno) and (magnesium mg) near4 electrode and (anneal annealing)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 17:42

## EAST Search History

S14 7	88	electrode near4 (zinc adj oxide zno ito indium adj tin adj oxide) and (magnesium mg) near4 electrode and (anneal annealing)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 17:42
S14 8	1	electrode near4 (zinc adj oxide zno ito indium adj tin adj oxide) same ((magnesium mg) near4 electrode) same (anneal annealing)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 17:45
S14 9	5	"717557".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 17:45
S15 0	2	("20040113156").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/08 17:46
S15 1	0	(transparent adj electrode near6 ito near6 zno near6 "and the like") same (anneal annealing)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/08 17:47
S15 2	0	(transparent adj electrode near6 ito near6 zno near6 "and the like") same (anneal annealing)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 17:47
S15 3	0	(transparent adj electrode near6 ito near6 zno near6 "such as") same (anneal annealing)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 17:48
S15 4	0	(transparent adj electrode near6 ito near6 zno) same (anneal annealing)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 17:48
S15 5	490	(transparent adj electrode near10 ito near10 zno)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 17:48
S15 6	2	(transparent adj electrode near10 ito near10 zno) and magnesium near6 (anneal annealing)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 17:51

## EAST Search History

S15 7	150	(zno zinc adj oxide) near6 (anneal annealing)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 17:53
S15 8	8	(zno zinc adj oxide) near6 (anneal annealing) same (magnesium Mg)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 17:54
S15 9	4	(zno zinc adj oxide) near6 (anneal annealing) with (magnesium Mg)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 18:00
S16 0	17	(zno zinc adj oxide) with (anneal annealing) with (magnesium Mg)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 18:00
S16 1	11021	charge adj pump,ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 15:03
S16 2	1	(US-20040166379-\$).did.	US-PGPUB	OR	OFF	2006/01/29 15:33
S16 3	710	electrode near4 (zno zinc adj oxide)	US-PGPUB	OR	ON	2006/01/29 15:34
S16 4	212	electrode near4 (zno zinc adj oxide) and light adj emitting.ti,ab,clm.	US-PGPUB	OR	ON	2006/01/29 15:34
S16 5	355	electrode near4 (zno zinc adj oxide) and light adj emitting.ti,ab,clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 15:34
S16 6	46	electrode near1 (zno zinc adj oxide) and light adj emitting.ti,ab,clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 15:35
S16 7	2	(magnesium mg) near6 (electrode near1 (zno zinc adj oxide)) and light adj emitting.ti,ab,clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 15:36

## EAST Search History

S16 8	46	(electrode near1 (zno zinc adj oxide)) and light adj emitting.ti,ab,clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 15:47
S16 9	12	(("6,416,888") or ("6,057,561") or ("5,625,202") or ("6,320,207") or ("5,804,834") or ("6,541,797") or ("6,806,503") or ("20020030196") or ("20040235212") or ("20040104392") or ("20040051109") or ("20030209723") or ("20020126719")).PN.	US-PGPUB; USPAT	OR	OFF	2006/01/29 15:48
S17 0	13	(("6,416,888") or ("6,057,561") or ("5,625,202") or ("6,320,207") or ("5,804,834") or ("6,541,797") or ("6,806,503") or ("20020030196") or ("20040235212") or ("20040104392") or ("20040051109") or ("20030209723") or ("20020126719")).PN.	US-PGPUB; USPAT	OR	OFF	2006/01/29 15:58
S17 1	1	MgZnO near1 electrode and light adj emitting.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 16:00
S17 2	1	MgZnO near1 electrode and (optoelectronic laser light adj emitting).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 16:00
S17 3	1	(Mg:ZnO ZnO:Mg MgZnO) near1 electrode and (optoelectronic laser light adj emitting).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 16:01
S17 4	44	(zno Mg:ZnO ZnO:Mg MgZnO) near1 electrode and (optoelectronic laser light adj emitting).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 16:01
S17 5	9	(zno Mg:ZnO ZnO:Mg MgZnO) near1 electrode and (optoelectronic laser light adj emitting).ti,ab,clm. and magnesium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 16:10

## EAST Search History

S17 6	116	resistivity near2 zno	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 16:10
S17 7	69	resistivity near1 zno	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 16:10
S17 8	3	resistivity near1 zno and resistivity near1 ito	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 16:12
S17 9	0	resistivity near1 zno and resistivity near1 ito and (magnesium mg)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 16:12
S18 0	12	resistivity near1 zno and (magnesium mg)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 16:31
S18 1	2	jp-2001210867\$-\$ did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 16:33
S18 2	2	jp-2002164570\$-\$ did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 17:03
S18 3	2	jp-2000353820\$-\$ did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 17:05
S18 4	2	jp-2002111059\$-\$ did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 17:06
S18 5	2	jp-2002076356\$-\$ did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 17:07

## EAST Search History

S18 6	2	jp-2002222991\$-\$ did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 17:08
S18 7	2	jp-2002170993\$-\$ did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 17:15
S18 8	2	jp-2002170993\$-\$ did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 17:22
S18 9	2	"20020105279"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 17:36
S19 0	2	("6674098").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/29 17:36
S19 1	2	("20030231683").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/29 18:12
S19 2	2	("5451474").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/29 18:16
S19 3	0	magnesium and "20040061101"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/29 18:17
S19 4	0	magnesium and "20040061101"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 18:17
S19 5	0	(mg magnesium) and "20040061101"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 18:21

## EAST Search History

S19 6	17	zno near1 electrode and (light adj emitting laser) and gan	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/29 18:22
S19 9	1567	zno near10 ito near10 (transparency transparent)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 10:34
S20 0	791	zno near5 ito near5 (transparency transparent)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 10:34
S20 1	350	zno near5 ito near5 (transparency transparent) and light adj emitting	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 10:34
S20 2	213	zno near5 ito near5 (transparency transparent) and light adj emitting.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 10:37
S20 3	6	magnesium same (zno near5 ito near5 (transparency transparent)) and light adj emitting.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 10:42
S20 4	6	(magnesium mgzno) same (zno near5 ito near5 (transparency transparent)) and light adj emitting.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 10:43
S20 5	6	(magnesium mgzno "mg:zno" "zno:mg") same (zno near5 ito near5 (transparency transparent)) and light adj emitting.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 10:43
S20 6	30	("Mg" magnesium mgzno "mg:zno" "zno:mg") same (zno near5 ito near5 (transparency transparent)) and light adj emitting.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 10:43
S20 7	13	(erosion eroding erode) near6 (zno mgzno "Mg:ZnO" "ZnO:Mg" znmgo mgzno "Mg.sub."\$3 near1 "Zn.sub. "\$3 near1 O)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 11:29

## EAST Search History

S20 8	1	(erosion eroding erode) near6 (zno mgzno "Mg:ZnO" "ZnO:Mg" znmgo mgzno "Mg.sub."\$3 near1 "Zn.sub. "\$3 near1 O) same (magnesium "Mg")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 11:30
S20 9	6	(erosion eroding erode corrosion corroding corrode) near6 (zno mgzno "Mg:ZnO" "ZnO:Mg" znmgo mgzno "Mg.sub."\$3 near1 "Zn.sub. "\$3 near1 O) same (magnesium "Mg")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 11:38
S21 0	1573	electrode near20 zno and (light adj emitting laser optoelectronic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 11:39
S21 1	7	(electrode near20 zno) same (erosion eroding erode corrosion corrode corroding) and (light adj emitting laser optoelectronic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 11:40
S21 2	1	(electrode near20 zno) same (erosion eroding erode corrosion corrode corroding) same ("Mg" magnesium) and (light adj emitting laser optoelectronic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 11:40
S21 3	1	(electrode near20 zno) same (erosion eroding erode corrosion corrode corroding) same ("Mg" magnesium) and (light adj emitting laser optoelectronic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 11:41
S21 4	27	(electrode near20 zno) same (surface protect protection protecting coat coated coating) same ("Mg" magnesium) and (light adj emitting laser optoelectronic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 11:41

## EAST Search History

S21 5	54	(US-20020025440-\$ or US-20020030196-\$ or US-20020056838-\$ or US-20020105279-\$ or US-20020126719-\$ or US-20020163005-\$ or US-20030048072-\$ or US-20030132449-\$ or US-20030209723-\$ or US-20040051109-\$ or US-20040104392-\$ or US-20040113156-\$ or US-20040164314-\$ or US-20040166379-\$ or US-20040189186-\$ or US-20040227141-\$ or US-20040235212-\$ or US-20050224825-\$).did. or (US-5625202-\$ or US-5670792-\$ or US-5804834-\$ or US-6057561-\$ or US-6259016-\$ or US-6320207-\$ or US-6416888-\$ or US-6541797-\$ or US-6639354-\$ or US-6806503-\$ or US-RE37446-\$ or US-5135817-\$ or US-5002837-\$).did. or (EP-1363334-\$).did. or (JP-11070610-\$ or JP-2000353820-\$ or JP-2001210867-\$ or JP-2002076356-\$ or JP-2002111059-\$ or JP-2002164570-\$ or JP-2002170993-\$ or JP-2002222991-\$ or JP-2004259549-\$).did. or (JP-50092490-\$ or JP-80013404-\$ or JP-59162133-\$ or EP-863555-\$ or JP-11070610-\$ or WO-200108229-\$ or JP-2001210867-\$ or JP-2002111059-\$ or WO-200245179-\$ or JP-2002076356-\$ or JP-2002222991-\$ or US-20040164314-\$ or US-20040166379-\$).did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/30 13:24
S21 6	34	S215 and (magnesium "Mg")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 13:30
S21 7	23	(corrosion corrode corroding eroding erosion erode) near10 (zno zinc adj oxide) near10 (magnesium "Mg")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 13:35

## EAST Search History

S21 8	1	(mgzno znmgo ("Zn.sub."\$3 near1 "Mg.sub."\$3 near1 "o")) near6 (coating coat coated erosion eording erode corrode corrosion corroding)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 13:39
S22 2	13	(coat coated coating) near10 (zno zinc oxide) near10 (magnesium "Mg") and electrode near10 (zno mgzno znmgo)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 13:40
S22 3	22	S215 and electrode near4 (zno zinc adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 14:15
S22 4	8	S215 and (electrode near4 (zno zinc adj oxide)) same (magnesium "Mg")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 14:18
S22 5	0	S215 and (moisture near4 (zno zinc adj oxide)) same (magnesium "Mg")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 14:18
S22 6	2	S215 and (moisture near10 (zno zinc adj oxide)) same (magnesium "Mg")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 14:28
S22 7	2	S215 and (corrosion near10 (zno zinc adj oxide)) same (magnesium "Mg")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 14:30
S22 8	0	S215 and (corrode near10 (zno zinc adj oxide)) same (magnesium "Mg")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 14:30
S22 9	0	S215 and (corroding near10 (zno zinc adj oxide)) same (magnesium "Mg")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 14:30
S23 0	1	S215 and (erosion near10 (zno zinc adj oxide)) same (magnesium "Mg")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 14:30

## EAST Search History

S23 1	308	sakai.in. and zno	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 08:26
S23 2	70	sakai.in. and zno and magnesium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 08:26
S23 3	11	sakai.in. and zno and magnesium and electrode and light adj emitting	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 08:30
S23 4	1	sakai.in. and zno and magnesium and electrode and light adj emitting and gan	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 08:28
S23 5	0	sakai.in. and zno and magnesium and electrode and light adj emitting and gan and zno near20 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 08:28
S23 6	2	jp-2002164570\$-\$did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 08:31
S23 7	2	("20030209723").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/31 08:34
S23 8	8297	(Mg magnesium) near6 (protect protection protecting erosion eroding erode corrode corroding corrosion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 08:35
S23 9	44	(Mg magnesium) near10 (protect protection protecting erosion eroding erode corrode corroding corrosion) near10 (zno zinc adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 08:36
S24 0	16	(Mg magnesium) near5 (protect protection protecting erosion eroding erode corrode corroding corrosion) near5 (zno zinc adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 09:03

## EAST Search History

S24 1	0	(Mg magnesium) near3 (protect protection protecting erosion eroding erode corrode corroding corrosion) near3 (zno zinc adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 08:36
S24 2	11664	(Mg magnesium) near5 (zno zinc adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 09:04
S24 3	36	(Mg magnesium) near1 (doped doping) near5 (zno zinc adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 09:04
S24 4	31	(Mg magnesium) near1 (doped doping) near1 (zno zinc adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 09:04
S24 5	2	(Mg magnesium) near1 (doped doping) near1 (zno zinc adj oxide) same (corrosion corroding corrode erode erosion eroding protect protecting protection alkaline)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 09:06
S24 6	1	(Mg magnesium alkaline-earth) near1 (doped doping) near1 (zno zinc adj oxide) same (corrosion corroding corrode erode erosion eroding protect protecting protection)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 09:07
S24 7	1	(Mg magnesium alkaline-earth) near1 (coat coating coated doped doping) near1 (zno zinc adj oxide) same (corrosion corroding corrode erode erosion eroding protect protecting protection)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 09:08
S24 8	2	(Mg magnesium alkaline-earth) near1 (coat coating coated doped doping) near1 (zno zinc adj oxide) same (corrosion corroding corrode erode erosion eroding protect protecting protection alkali)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 09:09
S24 9	2	((Mg magnesium alkaline-earth) near1 (coat coating coated doped doping) near1 (zno zinc adj oxide)) same (corrosion corroding corrode erode erosion eroding protect protecting protection alkali)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 09:10

## EAST Search History

S25 0	2	((Mg magnesium alkaline-earth) near1 (coat coating coated doped doping) near1 (zno zinc adj oxide)) same (corrosion corroding corrode erode erosion eroding protect protecting protection alkali acid)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 09:13
S25 1	12	((Mg magnesium alkaline-earth) near1 (coat coating coated doped doping) near1 (zno zinc adj oxide)). ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 09:10
S25 2	5	((Mg magnesium alkaline-earth) near1 (coat coating coated doped doping) near1 (zno zinc adj oxide)) and (corrosion corroding corrode erode erosion eroding protect protecting protection alkali acid)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 09:17
S25 3	1	((Mg magnesium alkaline-earth) near1 (coat coating coated) near1 (zno zinc adj oxide))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 09:18
S25 4	120	((Mg magnesium alkaline-earth) near6 (coat coating coated) near6 (zno zinc adj oxide))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 09:18
S25 5	33	((Mg magnesium alkaline-earth) near6 (coat coating coated) near6 (zno zinc adj oxide)) and (corrosion erosion corrode erode corroding eroding protect protecting protection)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 09:24
S25 6	9	((Mg magnesium alkaline-earth) near6 (coat coating coated) near6 (zno zinc adj oxide)) same (corrosion erosion corrode erode corroding eroding protect protecting protection)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 09:19
S25 7	1	((Mg magnesium alkaline-earth) near6 (coat coating coated) near6 (zno zinc adj oxide)) and (corrosion erosion corrode erode corroding eroding protect protecting protection) and electrode near6 (zno zinc adj oxide mgzno znmgo magnesium near2 zno "mg:zno" "zno:mg")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 09:26

## EAST Search History

S25 8	33	((Mg magnesium alkaline-earth) near6 (coat coating coated) near6 (zno zinc adj oxide)) and (corrosion erosion corrode erode corroding eroding protect protecting protection)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 09:26
S25 9	1	((Mg magnesium alkaline-earth) near6 (coat coating coated) near6 (zno zinc adj oxide)) and (corrosion erosion corrode erode corroding eroding protect protecting protection) and (light-emitting light adj emitting)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 09:28
S26 0	5	((Mg magnesium alkaline-earth) near6 (coat coating coated) near6 (zno zinc adj oxide)) and (corrosion erosion corrode erode corroding eroding protect protecting protection) and (light-emitting light adj emitting "LED" laser optoelectronic LCD liquid adj crystal pixel adj electrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 09:30
S26 1	5	((Mg magnesium alkaline-earth) near6 (coat coating coated) near6 (zno zinc adj oxide)) and (corrosion erosion corrode erode corroding eroding protect protecting protection) and (light-emitting light adj emitting "LED" laser optoelectronic LCD liquid adj crystal pixel adj electrode transparent adj electrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 09:31
S26 2	33	((Mg magnesium alkaline-earth) near6 (coat coating coated) near6 (zno zinc adj oxide)) and (corrosion erosion corrode erode corroding eroding protect protecting protection)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 09:46
S26 3	1	mzo and zno and (erode eroding erosion protect protecting protection corrosion corroding corrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 09:58
S26 4	7	mzo and zno	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 09:59

## EAST Search History

S26 5	91	zno adj electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 10:30
S26 6	0	zno adj electrode near10 (magnesium "Mg")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 10:30
S26 7	0	"zno/mzo" adj electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 10:30
S26 8	0	"mzo" adj electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 10:30
S26 9	1	"mzo" near4 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 10:31
S27 0	8112	("Mg.sub."\$3 "Zn.sub."\$3 "O") near4 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 10:32
S27 1	1	("Mg.sub."\$3 near1 "Zn.sub."\$3 near1 "O") near10 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 10:36
S27 2	1	("Mg.sub."\$3 near1 "Zn.sub."\$3 near1 "O" "ZnO:Mg") near10 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 10:37
S27 3	2	("Mg.sub."\$3 near1 "Zn.sub."\$3 near1 "O" "ZnO:Mg" Mg adj doped adj zno) near10 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 10:38
S27 4	1	("Mg.sub."\$3 near1 "Zn.sub."\$3 near1 "O" "ZnO:Mg" Mg adj coated adj zno) near10 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 10:39

## EAST Search History

S27 5	1	("Mg.sub."\$3 near1 "Zn.sub."\$3 near1 "O" "ZnO:Mg" Mg adj coated adj zno "mzo/zno") near10 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 10:39
S27 6	2	("Mg.sub."\$3 near1 "Zn.sub."\$3 near1 "O" "ZnO:Mg" Mg adj coated adj zno "mzo/zno" mzo) near10 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 10:42
S27 7	2313	magnesium and transparent near3 (electrode film) near3 conductive	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 12:07
S27 8	63	magnesium near3 (coat coated coating) and transparent near3 (electrode film) near3 conductive	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 12:15
S27 9	63	(magnesia magnesium) near3 (coat coated coating) and transparent near3 (electrode film) near3 conductive	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 12:16
S28 0	96	(magnesia magnesium mgo) near3 (coat coated coating) and transparent near3 (electrode film) near3 conductive	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 12:16
S28 1	67	(magnesia magnesium mgo) near3 (coat coated coating) and transparent near3 (electrode film) near3 conductive and (light-emitting light adj emitting laser optoelectronic liquid crystal LCD pixel adj electrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 12:17
S28 2	59	(magnesia magnesium mgo) near3 (coat coated coating) and transparent near3 (electrode film) near3 conductive and (light-emitting light adj emitting laser optoelectronic liquid adj crystal LCD pixel adj electrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 12:18

## EAST Search History

S28 3	11	(magnesia magnesium mgo) near3 (coat coated coating) and transparent near3 (electrode film) near3 conductive and (light-emitting light adj emitting laser optoelectronic liquid adj crystal LCD pixel adj electrode) and electrode near10 (zno mzo mgo "zno:mg")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 12:36
S28 4	13	(mg-doped mg-doping mg adj doping mg-coated mg adj coating) near2 (zno zinc adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 12:50
S28 5	21	"6316807"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 12:51
S28 6	105	"5998833"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 12:51
S28 7	4	(("6316807") or ("5998833")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/31 12:52
S28 8	2	("6674098").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/15 13:57
S28 9	3	(magnesium Mg) near3 (corrosion erosion) and (transparent adj conductive adj oxide TCO)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 13:59
S29 0	3	(magnesium Mg) near3 (corroding corrode corrosion erosion eroding erode protect protecting protection) and (transparent adj conductive adj oxide TCO)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 14:00
S29 1	143	(magnesium Mg) near3 (corroding corrode corrosion erosion eroding erode protect protecting protection) and (transparent adj conductive adj oxide TCO ZnO zinc adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 14:01

## EAST Search History

S29 2	140	(magnesium Mg) near3 (corroding corrode corrosion erosion eroding erode protect protecting protection) and (ZnO zinc adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 14:01
S29 3	0	(magnesium Mg) near3 (corroding corrode corrosion erosion eroding erode protect protecting protection) near3 (ZnO zinc adj oxide) and (ZnO zinc adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 14:02
S29 4	12	(magnesium Mg) near3 (corroding corrode corrosion erosion eroding erode protect protecting protection) same (ZnO zinc adj oxide) and (ZnO zinc adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 14:03
S29 5	12	(magnesium Mg) near3 (corroding corrode corrosion erosion eroding erode protect protecting protection) same (ZnO zinc adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 14:05
S29 6	10	(magnesium Mg) near3 (corroding corrode corrosion erosion eroding erode protect protecting protection).ti,ab,clm. and (ZnO zinc adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 14:13
S29 7	526	(magnesium Mg) near3 (acid acidity alkaline alkalinity corroding corrode corrosion erosion eroding erode protect protecting protection).ti,ab, clm. and (ZnO zinc adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 14:18
S29 8	270	(magnesium Mg) near3 (acid acidity alkaline alkalinity corroding corrode corrosion erosion eroding erode protect protecting protection).ti,ab, clm. and (ZnO zinc adj oxide).ti,ab, clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 14:19
S29 9	0	(magnesium Mg) near3 (acid acidity alkaline alkalinity) near3 (corroding corrode corrosion erosion eroding erode protect protecting protection).ti,ab,clm. and (ZnO zinc adj oxide).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 14:19
S30 0	3	(magnesium Mg) near6 (acid acidity alkaline alkalinity) near6 (corroding corrode corrosion erosion eroding erode protect protecting protection).ti,ab,clm. and (ZnO zinc adj oxide).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 14:19

## EAST Search History

S30 1	8	(magnesium Mg) near12 (acid acidity alkaline alkalinity) near12 (corroding corrode corrosion erosion eroding erode protect protecting protection).ti,ab,clm. and (ZnO zinc adj oxide).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 14:21
S30 2	8	(magnesium Mg magnesium adj oxide Mg adj oxide) near12 (acid acidity alkaline alkalinity) near12 (corroding corrode corrosion erosion eroding erode protect protecting protection).ti,ab,clm. and (ZnO zinc adj oxide).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 14:21
S30 3	76	(MgZnO magnesium adj zinc oxide MZO) near12 (acid acidity alkaline alkalinity) near12 (corroding corrode corrosion erosion eroding erode protect protecting protection).ti,ab,clm. and (ZnO zinc adj oxide).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 14:22
S30 4	51	(MgZnO magnesium adj zinc oxide MZO) near6 (acid acidity alkaline alkalinity) near12 (corroding corrode corrosion erosion eroding erode protect protecting protection).ti,ab,clm. and (ZnO zinc adj oxide).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 14:23
S30 5	0	(MgZnO magnesium adj zinc adj oxide MZO) near6 (acid acidity alkaline alkalinity) near12 (corroding corrode corrosion erosion eroding erode protect protecting protection).ti,ab,clm. and (ZnO zinc adj oxide).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 14:23
S30 6	0	(MgZnO magnesium adj zinc adj oxide MZO) near12 (acid acidity alkaline alkalinity) near12 (corroding corrode corrosion erosion eroding erode protect protecting protection).ti,ab,clm. and (ZnO zinc adj oxide).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 14:23
S30 7	0	(MgZnO magnesium adj zinc adj oxide MZO) near12 (acid acidity alkaline alkalinity) near12 (corroding corrode corrosion erosion eroding erode protect protecting protection).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 14:23

## EAST Search History

S30 8	0	(MgZnO magnesium adj zinc adj oxide MZO) near12 (acid acidity alkaline alkalinity) near12 (corroding corrode corrosion erosion eroding erode protect protecting protection)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 14:27
S30 9	0	(grading graded) near6 ("Mg:ZnO" "ZnO:Mg" MZO MgZnO)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 14:28
S31 0	0	(grading graded) near6 ("Mg:ZnO" "ZnO:Mg" MZO MgZnO magneisum adj zinc adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 14:29
S31 1	0	(grading graded) near6 ("Mg:ZnO" "ZnO:Mg" MZO MgZnO magnesium adj zinc adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 14:29
S31 2	7	(grading graded concentration) near6 ("Mg:ZnO" "ZnO:Mg" MZO MgZnO magnesium adj zinc adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 14:35
S31 3	5	("Mg:ZnO" "ZnO:Mg" MZO MgZnO magnesium adj zinc adj oxide) near4 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 15:32
S31 4	19	(conductivity resistsivity) near4 ITO and (resistivity conductivity) near4 ZnO	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 15:33
S31 5	25	(conductivity resistivity) near4 ITO and (resistivity conductivity) near4 ZnO	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 15:47
S31 6	144137	n-type electrode near4 ZnO near6 light-emitting.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 15:48
S31 7	0	(n-electrode n-type adj electrode) near6 ZnO near6 light-emitting.ti, ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 15:49

## EAST Search History

S31 8	5	(n-electrode n-type adj electrode) near6 ZnO and light-emitting.ti,ab, clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 15:50
S31 9	7	(n-electrode n-type adj electrode) near6 ZnO and (laser light-emitting).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 15:51
S32 0	13	(n-electrode n-type adj electrode) near6 ZnO	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 15:53
S32 1	13	(n-electrode n-type adj electrode) near6 (zinc adj oxide ZnO)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 16:15
S32 2	2	"20020105279".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 17:04
S32 3	49	magnesium near4 (acid alkaline) near4 (protecti\$2 protect)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 17:05
S32 4	7	magnesium near4 (acid alkaline) near4 (protecti\$2 protect) and (zinc adj oxide zno)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 17:24
S32 5	2	("6483776").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/15 17:17
S32 6	10	(Mg magnesium) near4 (acid alkaline) near4 (protecti\$2 protect) and (zinc adj oxide zno)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 17:26
S32 7	10	(Mg magnesium) near4 (acid alkaline) near4 (protecti\$2 protect) and (zinc adj oxide zno "Mg:ZnO" "ZnO:Mg")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 17:28

## EAST Search History

S32 8	41	(Mg magnesium) near8 (acid alkaline) near8 (protecti\$2 protect) and (zinc adj oxide zno "Mg:ZnO" "ZnO:Mg")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/15 17:28
S32 9	1	((MZO MgZnO) near4 ITO) with electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 18:03
S33 0	1	((MZO MgZnO Mg-doped adj ZnO) near4 ITO) with electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 18:03
S33 1	1	((MZO MgZnO Mg-doped adj ZnO magnesium adj zinc adj oxide) near4 ITO) with electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 18:04
S33 2	1	(MZO MgZnO Mg-doped adj ZnO magnesium adj zinc adj oxide) near4 (indium adj tin adj oxide ITO) with electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 18:04
S33 3	3	(MZO MgZnO Mg-doped adj ZnO (magnesium near2 (zinc adj oxide))) near4 (indium adj tin adj oxide ITO) with electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 18:06
S33 4	3	(MZO MgZnO Mg-doped adj ZnO (magnesium near2 (zinc adj oxide)) "ZnO:Mg" "Mg:ZnO") near4 (indium adj tin adj oxide ITO) with electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 18:07
S33 5	3	(MZO MgZnO Mg-doped adj ZnO (magnesium near2 (zinc adj oxide)) "ZnO:Mg" "Mg:ZnO") near4 (indium-tin-oxide indium adj tin adj oxide ITO) with electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 18:07
S33 6	3	(MZO ZnMgO MgZnO Mg-doped adj ZnO (magnesium near2 (zinc adj oxide)) "ZnO:Mg" "Mg:ZnO") near4 (indium-tin-oxide indium adj tin adj oxide ITO) with electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 18:07

## EAST Search History

S33 7	26	(MZO ZnMgO MgZnO Mg-doped adj ZnO Zn-doped MgO (magnesium near2 (zinc adj oxide)) "ZnO:Mg" "Mg:ZnO") near4 (indium-tin-oxide indium adj tin adj oxide ITO) with electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 18:08
S33 8	3	(MZO ZnMgO MgZnO Mg-doped adj ZnO Zn-doped adj MgO (magnesium near2 (zinc adj oxide)) "ZnO:Mg" "Mg:ZnO") near4 (indium-tin-oxide indium adj tin adj oxide ITO) with electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 18:11
S33 9	2	("6867539").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/16 18:35
S34 0	14	(Mg-doped Mg adj doped Mg adj doping Mg-doping) near4 ZnO	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/16 18:36
S34 1	1	((Mg-doped Mg adj doped Mg adj doping Mg-doping) near4 ZnO) with electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/16 18:36
S34 2	2	((Mg-doped Mg adj doped Mg adj doping Mg-doping) near4 ZnO) same electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/16 18:37
S34 3	9	((Mg-doped Mg adj doped Mg adj doping Mg-doping) near4 ZnO) and electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/16 18:40
S34 4	2	((Mg-doped Mg adj doped Mg adj doping Mg-doping) near4 ZnO) and (anode cathode electrode) with ZnO	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 18:41
S34 5	23	(((Mg-doped Mg adj doped Mg adj doping Mg-doping) near4 ZnO) MZO MgZnO) and (anode cathode electrode) with ZnO	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 18:42

## EAST Search History

S34 6	18	(((Mg-doped Mg adj doped Mg adj doping Mg-doping) near4 ZnO) MZO MgZnO) and (anode cathode electrode) with ZnO and (light adj emitting light-emitting laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:16
S34 7	2	"20050136572"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:03
S34 8	2040	(((Mg-doped Mg adj doped Mg adj doping Mg-doping) near4 ZnO) MZO MgZnO "ZnO:Mg" "Mg:ZnO" (rare-earth rare adj earth) near2 (doping doped) ZnO) and (anode cathode electrode) with ZnO and (light adj emitting light-emitting laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:19
S34 9	20	(((Mg-doped Mg adj doped Mg adj doping Mg-doping) near4 ZnO) MZO MgZnO "ZnO:Mg" "Mg:ZnO" (rare-earth rare adj earth) near2 (doping doped) near2 ZnO) and (anode cathode electrode) with ZnO and (light adj emitting light-emitting laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:34
S35 0	20	(((Mg-doped Mg adj doped Mg adj doping Mg-doping) near4 ZnO) MZO MgZnO "ZnO:Mg" "Mg:ZnO" (rare-earth rare adj earth) near2 (doping doped) near2 ZnO) and (anode cathode electrode) with ZnO and (light adj emitting light-emitting laser (transparent near1 electrode))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:35
S35 1	25	(((Mg-doped Mg adj doped Mg adj doping Mg-doping) near4 ZnO) MZO MgZnO "ZnO:Mg" "Mg:ZnO" (rare-earth rare adj earth) near2 (doping doped) near2 ZnO) and (anode cathode electrode) with ZnO	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 20:31
S35 2	0	(MZO ZnO MgZnO) near6 "Au/Ni"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 20:32
S35 3	1115	(MZO ZnO MgZnO) near3 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 20:32

## EAST Search History

S35 4	0	(MZO ZnO MgZnO) near3 electrode and electrode near6 "Au/Ni"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 20:32
S35 5	573	(MZO ZnO MgZnO) near3 electrode and electrode near6 (metal metallic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 20:32
S35 6	314	(MZO ZnO MgZnO) near3 electrode and electrode near2 metal	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 20:33
S35 7	66	(MZO ZnO MgZnO) near3 electrode and electrode near2 metal and light-emitting	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 20:50
S35 8	2	mondt.xa. and ito near3 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 20:51
S35 9	12	mondt.xa. and (transparent ito) near3 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 20:59
S36 0	10508	(transparent ito) near3 electrode and metal near2 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 20:59
S36 1	293	(transparent ito) near3 electrode and metal near2 electrode and light-emitting.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 21:00
S36 2	154	(ito) near3 electrode and metal near2 electrode and light-emitting. ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 21:00
S36 3	156	(ito zno) near3 electrode and metal near2 electrode and light-emitting. ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 21:00

## EAST Search History

S36 4	16	(ito zno) near3 electrode.ti,ab,clm. and metal near2 electrode and light-emitting.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 21:41
S36 5	14	metal adj contact near6 (transparent adj electrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 22:27
S36 6	0	"ITO/MgZnO/ZnO"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 22:27
S36 7	0	"ITO/MZO/ZnO"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 22:27
S36 8	0	"ZnO/MZO/ITO"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 22:28
S36 9	0	"ZnO/MgZnO/ITO"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 22:28
S37 0	0	"ZnO-MgZnO-ITO"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 22:28
S37 1	0	"ITO-MgZnO-ZnO"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 22:28
S37 2	209	rare adj earth near3 (zinc adj oxide zno)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 00:16
S37 3	107	rare adj earth near3 (zinc adj oxide zno) and (magnesium mg)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 00:16

## EAST Search History

S37 4	34	rare adj earth near3 (zinc adj oxide zno) and (magnesium mg) and electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 00:16
S37 5	0	rare adj earth near3 (zinc adj oxide zno) and (magnesium mg) and electrode and mzo	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 00:17
S37 6	0	rare adj earth near3 (zinc adj oxide zno) and (magnesium mg) and electrode and mgzno	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 00:17
S37 7	34	rare adj earth near3 (zinc adj oxide zno) and (magnesium mg) and electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 00:28
S37 8	2406	rare adj earth and zno and (acid alkaline)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 00:30
S37 9	0	rare adj earth near3 zno and (acid alkaline) near4 (protecti\$2 protect corrosion corroding erosion eroding corrode erode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 00:31
S38 0	0	rare adj earth near3 zno and (acid alkaline) near4 (resistance protecti\$2 protect corrosion corroding erosion eroding corrode erode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 00:31
S38 1	779	(501/69).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 11:23
S38 2	175	S381 and (zinc adj oxide zno) and (rare adj earth magnesium mno mgzno)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 11:24
S38 3	1	S381 and (zinc adj oxide zno) and (rare adj earth magnesium mno mgzno) near10 (corrode corrosion corroding protecti\$2 protect)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 11:40

## EAST Search History

S38 4	1	S381 and (rare adj earth magnesium mno mgzno) near10 (corrode corrosion corroding protect\$2 protect)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 11:40
S38 5	3	S381 and (magnesium rare adj earth) with (protecti\$1 protect corrosion corroding corrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 11:41
S38 6	0	S381 and (magnesium rare adj earth) with (protecti\$1 protect corrosion corroding corrode) and transparent near3 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 11:41
S38 7	1	S381 and (magnesium rare adj earth) with (protecti\$1 protect corrosion corroding corrode) and (transparent near3 electrode ito zno mgzno)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 11:43
S38 8	11	"501"/\$7.ccls. and (magnesium rare adj earth) with (protecti\$1 protect corrosion corroding corrode) and (transparent near3 electrode ito zno mgzno)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 11:48
S38 9	243	"501"/\$7.ccls. and (magnesium rare adj earth) with (protecti\$1 protect corrosion corroding corrode acid alkaline) and (transparent near3 electrode ito zno mgzno)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 11:50
S39 0	2	"501"/\$7.ccls. and (magnesium rare adj earth) with (protecti\$1 protect corrosion corroding corrode acid alkaline) and (transparent near3 electrode) and (ito zno mgzno)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 11:50
S39 1	2	jp-2001017486\$-.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 13:19
S39 2	0	jp-20022222991\$-.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 13:20
S39 3	2	jp-20022222991\$-.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 13:24

## EAST Search History

S39 4	2	("20020030196").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 14:17
S39 5	0	("(MZOMgZnO)near2(transparentne ar1electrode)").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 14:18
S39 6	1	(MZO MgZnO) near2 (transparent near1 electrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 14:19
S39 7	7	(MZO MgZnO) near10 (transparent near1 electrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 14:20
S39 8	7	(MZO MgZnO) near10 (transparent near3 electrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 14:20
S39 9	128	(MZO MgZnO magnesium) near10 (transparent near3 electrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 14:21
S40 0	9	(MZO MgZnO ((Mg magnesium) near2 ZnO)) near10 (transparent near3 electrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 14:24
S40 1	2	("20020126719").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 14:25
S40 2	2	("20030209723").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 14:27
S40 3	68	(MgO magnesium adj oxide magnesia) near4 (ZnO zinc adj oxide) with (corrosion corrode corroding erosion eroding erode protect protection protecting)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 14:29

## EAST Search History

S40 4	89	(MgO magnesium adj oxide magnesia) near4 (ZnO zinc adj oxide) with (corrosion corrode corroding erosion eroding erode protect protection protecting)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 14:29
S40 5	14	(MgO magnesium adj oxide magnesia) near4 (ZnO zinc adj oxide) with (corrosion corrode corroding erosion eroding erode protect protection protecting) and (light-emitting light adj emitting laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 14:36
S40 6	0	(MgO magnesium adj oxide magnesia) near4 (transparent near1 electrode) with (corrosion corrode corroding erosion eroding erode protect protection protecting) and (light-emitting light adj emitting laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 14:33
S40 7	9	(MgO magnesium adj oxide magnesia) near4 (ZnO zinc adj oxide) with (corrosion corrode corroding erosion eroding erode protect protection protecting) and (light-emitting light adj emitting laser) and (corrosion corrode corroding)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 15:46
S40 8	0	jp-20020164570\$-.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 15:46
S40 9	2	"20020164570".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 15:49
S41 0	2	jp-2002164570\$-.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 16:46

## EAST Search History

S41 1	17905	((257/79) or (257/8\$1) or (257/9\$1) or (257/100) or (257/101) or (257/102) or (257/103) or (372/43.01) or (372/46.01) or (372/46.013) or (372/46.015) or (372/29.013) or (349/42) or (349/43) or (349/44) or (349/45) or (349/46) or (349/47) or (349/48) or (349/49) or (349/50) or (349/51) or (349/52) or (349/53)). CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 16:47
S41 2	1	S411 and (zinc adj oxide zno) and ("mg:zno" "zno:mg" (mg-doped near1 zno) "mg" near1 (doped doping) near1 (zinc oxide zno)) and transparent near2 electrode and (light-emitting light adj emitting laser display)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 16:50
S41 3	1	S411 and (zinc adj oxide zno) and ("mg:zno" "zno:mg" (mg-doped near1 zno) "mg" near1 (doped doping) near1 (zinc oxide zno)) and transparent near2 electrode and (light-emitting light adj emitting laser display)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 16:50
S41 4	0	(zno zinc adj stannate) near4 ((electrode near2 p-type) p-electrode) and ("Group-III" near3 nitride)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/15 13:39
S41 5	0	(zno zinc adj stannate "zn.sub."\$1 near1 "sno.sub.4" mzo) near4 ((electrode near2 p-type) p-electrode) and ("Group-III" near3 nitride)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/15 13:41
S41 6	9	(zno zinc adj stannate "zn.sub."\$1 near1 "sno.sub.4" mzo) near4 ((electrode near2 p-type) p-electrode) and ("Group-III" near3 nitride GaN GaAIN AlN AlGaN InGaAIN GaInAIN GaAlInN InAlGaN AlGaN AlInGaN)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/15 13:47
S41 7	151693	p-type dopant near10 (Mg near10 Mn)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/15 13:48
S41 8	13	p-type adj dopant near10 (Mg near10 Mn)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/15 14:57

## EAST Search History

S41 9	37	p-type adj dopant near10 (zno mzo)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/15 14:58
S42 0	0	p-type adj dopant near10 (zno mzo) near10 mg	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/15 14:58
S42 1	5	p-type near4 (zno mzo) near10 mg	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/15 15:02
S42 2	112	(zno zinc adj oxide) same (mg magnesium) same electrode and (GaN "III-V")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 17:26
S42 3	50	(zno zinc adj oxide) with (mg magnesium) same electrode and (GaN "III-V")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 17:28
S42 4	27	(zno zinc adj oxide) with (mg magnesium) same electrode and (GaN "III-V") and @ad<"20031230"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 17:28
S42 5	510	zno near2 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/09 17:47
S42 6	1	zno near2 electrode with mg-doped	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/09 17:48
S42 7	1	zno near2 electrode with ((mg magnesium) near2 (doped doping))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/09 17:48
S42 8	79	zno adj electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/09 17:54

## EAST Search History

S42 9	2	("20020126719").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/09 18:13
S43 0	2	magnesium adj zincate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/09 18:14
S43 1	1	((magnesium adj zincate) ("Mg.sub. "\$3 near1 "Zn.sub."\$3 near1 O)) with electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 18:27
S43 2	0	((magnesium adj zincate) ("Mg.sub. "\$3 near1 "Zn.sub."\$3 near1 O)) with electrode and GaN	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 18:31
S43 3	0	((magnesium adj zincate) ("Mg.sub. "\$3 near1 "Zn.sub."\$3 near1 O)) with (lattice adj constant)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 18:32
S43 4	0	((magnesium adj zincate) ("Mg.sub. "\$3 near1 "Zn.sub."\$3 near1 O)) with (buffer) with sapphire	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 18:33
S43 5	2	(magnesium adj zinc adj oxide (magnesium adj zincate) ("Mg.sub. "\$3 near1 "Zn.sub."\$3 near1 O)) with (buffer) with sapphire	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 18:42
S43 6	0	jp-200168485\$-.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 18:51
S43 7	5	MgZnO near3 buffer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 18:51
S43 8	5	MgZnO near3 buffer and sapphire	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 18:51

## EAST Search History

S43 9	84	MgO near4 (lattice adj constant)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 19:16
S44 0	94	ZnO near4 (lattice adj constant)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 19:19
S44 1	420	sapphire near4 (lattice adj constant)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 19:19
S44 2	238	sapphire near2 (lattice adj constant)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 19:21
S44 3	5	c-plane adj sapphire near2 (lattice adj constant)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 19:28
S44 4	37	c-plane adj sapphire and sapphire near2 (lattice adj constant)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 19:35
S44 5	0	zno near6 buffer near6 mgzno near6 sapphire	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 19:35
S44 6	0	zno with buffer with mgzno with sapphire	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 19:36
S44 7	5	buffer with mgzno with sapphire	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 19:36
S44 8	0	"20050224825".pn. and buffer near4 ("Mg.sub."\$3 near1 "Zn.sub."\$3 near1 "O")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:39

## EAST Search History

S44 9	0	"20050224825".pn. and buffer and ("Mg.sub."\$3 near1 "Zn.sub."\$3 near1 "O")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:39
S45 0	2	"20050224825".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:39
S45 1	2	S450 and buffer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:45
S45 2	8	buffer near4 "MgZnO"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:46
S45 3	5	buffer near4 "MgZnO" and sapphire and GaN	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:51
S45 4	0	buffer near4 ("Mg.sub."\$4 near1 "Zn.sub."\$4 near1 "O")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 10:10
S45 5	0	buffer near6 ("Mg.sub."\$4 near1 "Zn.sub."\$4 near1 "O")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 10:11
S45 6	0	buffer near6 ("Mg.sub."\$4 adj "Zn. sub."\$4 adj "O")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 10:11
S45 7	4	buffer and ("Mg.sub."\$4 adj "Zn. sub."\$4 adj "O")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 10:11
S45 8	23	graded near3 buffer and zno and mgo	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 15:58

## EAST Search History

S45 9	0	graded near3 buffer same zno same mgo	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 15:53
S46 0	0	graded near3 buffer same mgzno	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 15:53
S46 1	0	graded near3 buffer same mzo	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 15:53
S46 2	0	grad\$3 near3 buffer same mzo	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 15:53
S46 3	172	sic near3 substrate same sapphire. ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 15:58
S46 4	10	sic near3 substrate same sapphire. ti,ab,clm. and silicon adj carbide.ti, ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 16:03
S46 5	1403	sic near3 substrate.ti,ab,clm. and silicon adj carbide	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 16:03
S46 6	2	"6057561".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 16:18
S46 7	4	lattice adj constant near10 MgO near10 ZnO	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 17:30
S46 8	16	lattice adj matching near4 efficiency	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 17:53

## EAST Search History

S46 9	1	GaN.ti,ab,clm. and (interchange interchanged interchangeability interchangeable) near4 p-type near4 n-type	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 17:56
S47 0	1	GaN.ti,ab,clm. and (interchange interchanged interchangeability interchangeable switch switching switchable) near4 p-type near4 n-type	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 17:56
S47 1	8	GaN.ti,ab,clm. and (interchange interchanged interchangeability interchangeable switch switching switchable reverse reversing reversible) near4 p-type near4 n-type	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 17:57
S47 2	0	sapphire adj substrate near6 back-side adj metallization	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/10 19:36
S47 3	0	sapphire adj substrate with back-side adj metallization	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/10 19:36
S47 4	0	sapphire adj substrate same back-side adj metallization	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/10 19:36
S47 5	0	sapphire adj substrate same back adj2 metallization	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/10 19:36
S47 6	0	sapphire adj substrate same (back adj2 metallization)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/10 19:37
S47 7	86	sapphire adj substrate same (metallization)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 19:37

## EAST Search History

S47 8	30	sapphire adj substrate with (metallization)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 19:37
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## EAST Search History

S47 9	70	(US-20020030196-\$ or US-20030048072-\$ or US-20040227141-\$ or US-20020044028-\$ or US-20020056838-\$ or US-20040166379-\$ or US-20040164314-\$ or US-20040051109-\$ or US-20030132449-\$ or US-20020163005-\$ or US-20040104392-\$ or US-20050224825-\$ or US-20020025440-\$ or US-20040113156-\$ or US-20040189186-\$ or US-20030209723-\$ or US-20040235212-\$ or US-20030059972-\$ or US-20020126719-\$ or US-20020105279-\$ or US-20050062134-\$ or US-20020036466-\$ or US-20040169267-\$ or US-20050288169-\$ or US-20060040475-\$ or US-20040029368-\$).did. or (US-20050205881-\$).did. or (US-6806503-\$ or US-5670792-\$ or US-6559736-\$ or US-6716479-\$ or US-5804834-\$ or US-6639354-\$ or US-5135817-\$ or US-6939731-\$ or US-6416888-\$ or US-6057561-\$ or US-6320207-\$ or US-RE37446-\$ or US-6259016-\$ or US-6541797-\$ or US-5625202-\$ or US-5002837-\$ or US-5113273-\$ or US-7022182-\$). did. or (EP-1363334-\$).did. or (JP-2002111059-\$ or JP-2001210867-\$ or JP-2002164570-\$ or JP-11070610-\$ or JP-2002076356-\$ or JP-2002222991-\$ or JP-2004259549-\$ or JP-2000353820-\$ or JP-2002170993-\$ or JP-2005243955-\$).did. or (JP-2001210867-\$ or WO-200108229-\$ or JP-2002222991-\$ or WO-200245179-\$ or JP-11070610-\$ or US-20040164314-\$ or JP-2004266057-\$ or JP-59162133-\$ or JP-2002111059-\$ or JP-80013404-\$ or JP-50092490-\$ or US-20040166379-\$ or EP-863555-\$ or JP-2002076356-\$).did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/11 08:07
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## EAST Search History

S48 0	104	(US-20020030196-\$ or US-20030048072-\$ or US-20040227141-\$ or US-20020044028-\$ or US-20020056838-\$ or US-20040166379-\$ or US-20040164314-\$ or US-20040051109-\$ or US-20030132449-\$ or US-20020163005-\$ or US-20040104392-\$ or US-20050224825-\$ or US-20020025440-\$ or US-20040113156-\$ or US-20040189186-\$ or US-20030209723-\$ or US-20040235212-\$ or US-20030059972-\$ or US-20020126719-\$ or US-20020105279-\$ or US-20050062134-\$ or US-20020036466-\$ or US-20040169267-\$ or US-20050288169-\$ or US-20060040475-\$ or US-20040029368-\$).did. or (US-20050205881-\$).did. or (US-6806503-\$ or US-5670792-\$ or US-6559736-\$ or US-6716479-\$ or US-5804834-\$ or US-6639354-\$ or US-5135817-\$ or US-6939731-\$ or US-6416888-\$ or US-6057561-\$ or US-6320207-\$ or US-RE37446-\$ or US-6259016-\$ or US-6541797-\$ or US-5625202-\$ or US-5002837-\$ or US-5113273-\$ or US-7022182-\$). did. or (EP-1363334-\$).did. or (JP-2002111059-\$ or JP-2001210867-\$ or JP-2002164570-\$ or JP-11070610-\$ or JP-2002076356-\$ or JP-2002222991-\$ or JP-2004259549-\$ or JP-2000353820-\$ or JP-2002170993-\$ or JP-2005243955-\$).did. or (JP-2001210867-\$ or WO-200108229-\$ or JP-2002222991-\$ or WO-200245179-\$ or JP-11070610-\$ or US-20040164314-\$ or JP-2004266057-\$ or JP-59162133-\$ or JP-2002111059-\$ or JP-80013404-\$ or JP-50092490-\$ or US-20040166379-\$ or EP-863555-\$ or JP-2002076356-\$).did. AND	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/11 08:08
1/2/2008 11:14:06 AM	ISHIZAKI, IN	C:\Documents and Settings\jmonot\My Documents\EAST\Workspaces\10748734.wsp				Page 63

## EAST Search History

S48 1	8	S479 AND ISHIZAKI.IN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/11 08:08
S48 2	1	WO-200245179\$-\$ DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/11 08:10
S48 3	23976	((257/79) or (257/8\$1) or (257/9\$1) or (257/10\$1) or (372/43.01) or (372/46.01) or (372/46.013) or (372/46.015) or (372/29.013) or (349/4\$1) or (349/5\$1)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/11 08:11
S48 4	234	S483 and (magnesium Mg magnesium adj dop\$3 Mg-dop\$3) near10 (zinc adj oxide ZnO)".clm.,ti, ab." and electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/11 08:14
S48 5	234	S483 and (magnesium Mg magnesium adj dop\$3 Mg-dop\$3) near10 (zinc adj oxide ZnO)".clm.,ti, ab." and electrode.ti,ab,clm. and @ad<"20031231"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/11 08:38
S48 6	2	("4888202").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/11 08:38
S48 7	2	"20020126719".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 17:00
S48 8	22098	((257/79) or (257/8\$1) or (257/9\$1) or (257/10\$1) or (372/43.01) or (372/46.01) or (372/46.013) or (257/46.015) or (349/4\$1) or (349/50) or (349/51) or (349/52) or (349/53)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 18:12
S48 9	94	S488 and (zno zinc adj oxide) near10 (mg magnesium) near10 (impurity impurities doping dopant doped)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/27 18:13
S49 0	20	S488 and (zno zinc adj oxide) near10 (mg magnesium) near10 (impurity impurities doping dopant doped) and electrode.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/27 18:14

## EAST Search History

S49 1	8	S488 and (zno zinc adj oxide) near10 (mg magnesium) near10 (impurity impurities doping dopant doped) and electrode.ti,ab,clm. and @ad<"20031231"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/27 18:16
S49 2	4	(nakahara.in. rohm.as.) and (zno zinc adj oxide) near10 (mg magnesium) near10 (impurity impurities doping dopant doped) and electrode.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/27 18:25
S49 3	17	(("6569548") or ("6531408") or ("6638846") or ("6649434") or ("6674098") or ("6987029") or ("7002179")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 18:31
S49 4	6	S493 and GaN and ("Mg:Zno" "ZnO:Mg" MgZnO ZnO)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/27 18:31
S49 5	1	(US-20040166379-\$).did.	US-PGPUB	OR	OFF	2007/01/30 16:29
S49 6	22122	((257/79) or (257/8\$1) or (257/9\$1) or (257/10\$1) or (372/43.01) or (372/46.01) or (372/46.013) or (257/46.015) or (349/4\$1) or (349/50) or (349/51) or (349/52) or (349/53)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/09 18:54
S49 7	1	S496 and electrode near6 ((ZnO near10 (Mg magnesium)) "ZnO:Mg" "Mg:ZnO")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 18:00
S49 8	2	(rohm.as. nakahara.in.) and electrode near6 ((ZnO near10 (Mg magnesium)) "ZnO:Mg" "Mg:ZnO")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 18:01
S49 9	2	"20020126719".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/01 15:55
S50 0	11542	resistivity near4 (Ohm near1 cm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/01 15:56

## EAST Search History

S50 1	15	resistivity near2 (Ohm near1 cm) near2 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/01 16:56
S50 2	25	le near1 hung.xa.	USPAT	OR	ON	2007/05/01 17:26
S50 3	1	"20020080905".pn.	US-PGPUB; USPAT	OR	ON	2007/05/01 17:26
S50 4	2	("20020126719").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/25 19:57
S50 5	3	("20020086517").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/25 19:57
S50 6	1	(US-20040166379-\$).did.	US-PGPUB	OR	OFF	2007/05/25 23:07
S50 7	0	(US-20040166379-\$).did. and (smooth continuous\$2 curvature curve curved)	US-PGPUB	OR	OFF	2007/05/25 23:08
S50 8	1	(US-20040166379-\$).did.	US-PGPUB	OR	OFF	2007/07/09 17:30
S50 9	79519	(US-20040166379-\$)".did.and" semiconductor adj device	US-PGPUB	OR	ON	2007/07/09 17:30
S51 0	0	(US-20040166379-\$).did. and semiconductor adj device	US-PGPUB	OR	OFF	2007/07/09 17:32
S51 1	0	(US-20040166379-\$).did. and semiconductor adj device	US-PGPUB	OR	ON	2007/07/09 17:32
S51 2	0	(US-20040166379-\$).did. and semiconductor adj2 device	US-PGPUB	OR	ON	2007/07/09 17:33
S51 3	1	(US-20040166379-\$).did. and semiconductor adj3 device	US-PGPUB	OR	ON	2007/07/09 17:48
S51 4	16	("20020126719") or ("6423983") or ("6084899") or ("20050224825") or ("6787435") or ("4888202").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/09 17:49
S51 5	23237	((257/79) or (257/8\$1) or (257/9\$1) or (257/10\$1) or (372/43.01) or (372/46.01) or (372/46.013) or (257/46.015) or (349/4\$1) or (349/50) or (349/51) or (349/52) or (349/53)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/09 18:54

## EAST Search History

S51 6	125	S515 and (transparent translucent) near3 (electrode anode cathode) and ((zinc adj oxide zno) near4 magnesium "mg:zno" "zno:mg")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/09 18:58
S51 7	126	S515 and (transparent translucent) near3 (electrode anode cathode) and ((zinc adj oxide zno) near4 magnesium "mg:zno" "zno:mg")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 18:59
S51 8	1	S517 not S516	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 18:57
S51 9	0	(rohm.as. nakanara.in.) and (transparent translucent) near3 (electrode anode cathode).clm. and ((zinc adj oxide zno) near4 (magnesium "mg:zno" "zno:mg")). clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/09 18:59
S52 0	0	(rohm.as. nakanara.in.) and (transparent translucent) near3 (electrode anode cathode).clm. and ((zinc adj oxide zno) near4 (magnesium "mg:zno" "zno:mg")). clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 18:59
S52 1	126	S515 and (transparent translucent) near3 (electrode anode cathode) and ((zinc adj oxide zno) near4 (magnesium "mg:zno" "zno:mg"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 18:59
S52 2	2	jp-2003037268\$-\$ did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/31 13:25
S52 3	2	("20020126719").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/31 13:26
S52 4	2	("20050224825").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/31 13:26

## EAST Search History

S52 5	22071	zinc adj oxide and magnesium and protect\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/31 13:58
S52 6	54	zinc adj oxide near10 magnesium near10 protect\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/31 13:59
S52 7	24	zinc adj oxide near10 magnesium near10 protect\$3 and @ad<"20030226"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/31 14:06
S52 8	24	(zno zinc adj oxide) near10 magnesium near10 protect\$3 and @ad<"20030226"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/31 14:06
S52 9	89	(zno zinc adj oxide) near10 (mgzno mgo magnesium) near10 protect\$3 and @ad<"20030226"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/31 14:06
S53 0	89	(zno zinc adj oxide) near10 ("Mg:ZnO" mgzno mgo magnesium) near10 protect\$3 and @ad<"20030226"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/31 14:07
S53 1	89	(zno zinc adj oxide) near10 ("Mg:ZnO" "ZnO:Mg" mgzno mgo magnesium) near10 protect\$3 and @ad<"20030226"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/31 14:19

## EAST Search History

S53 2	64	((zno zinc adj oxide) near3 electrode) same (protecti\$2 near3 (layer film coating))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/31 14:20
S53 3	0	((zno zinc adj oxide) near3 electrode) same (protecti\$2 near3 (layer film coating) near3 ("Mg:ZnO" "ZnO:Mg" mgzno magnesium adj oxide magnesium adj zinc adj oxide))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/31 14:22
S53 4	0	((zno zinc adj oxide) near3 electrode) same (protecti\$2 near3 (layer film coating) near3 ("Mg:ZnO" "ZnO:Mg" mgzno magnesium adj oxide magnesium adj zinc adj oxide zinc adj magnesium adj oxide))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/31 14:23
S53 5	0	((zno zinc adj oxide) near3 electrode) near20 (protecti\$2 near3 (layer film coating) near20 ("Mg:ZnO" "ZnO:Mg" mgzno magnesium adj oxide magnesium adj zinc adj oxide zinc adj magnesium adj oxide))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/31 14:24
S53 6	2856	("Mg:ZnO" "ZnO:Mg" zinc adj oxide zno) near3 electrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/31 14:25
S53 7	21	("Mg:ZnO" "ZnO:Mg" zinc adj oxide zno) near3 electrode and protect\$3 near10 acid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/31 14:32
S53 8	19007	(zno zinc adj oxide) near3 (layer film coating coated coat)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/31 14:33

## EAST Search History

S53 9	75	(zno zinc adj oxide) near3 (layer film coating coated coat) same ((coat coating coated doping doped) near3 magnesium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/31 15:39
S54 0	0	("Mg:ZnO" "ZnO:Mg") near4 electrode and (laser light-emitting light adj emitting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/31 15:40
S54 1	6	("Mg:ZnO" "ZnO:Mg" MgZnO ZnMgO) near4 electrode and (laser light-emitting light adj emitting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/31 16:29
S54 2	2	("20020127853").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/31 16:29